

APPLICABLE REFERENCES  
FOR PREPARING SCOPES-OF-WORK FOR  
INVESTIGATIONS AND STUDIES AT HTRW SITES  
UNDER CERCLA (SARA) RCRA, AND NEPA

1. Legal References

1.1 *Partial Listing of Related Federal Laws*

Clean Air Act as amended (42 U.S.C. §7401 to 7671q)

Federal Water Pollution Control Act (33 U.S.C. §§1251 to 1387)

Comprehensive Environmental Response, Compensation and Liability Act of 1980 as amended by the Superfund Amendments and Reauthorization Act of 1986 (42 U.S.C. §§9601 to 9675)

Endangered Species Act of 1966 (16 U.S.C. §§1531 to 1544)

Federal Technology Transfer Act of 1986 (15 U.S.C. §§3701 to 3714)

Fishery Conservation and Management Act of 1976 (16 U.S.C. §1801 et seq.)

Hazardous Materials Transportation Act of 1970 as amended (49 U.S.C. §1801 et seq.)

Low Level Radioactive Waste Policy Act of 1985 as amended (42 U.S.C. §§2021b to 2021j)

Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. §§1401 et seq., and 16 U.S.C. 1431 et seq.)

Marine Mammal Protection Act (16 U.S.C. §§1361 et seq.)

Migratory Bird Treaty Act (16 U.S.C. §§703 et seq.)

National Environmental Policy Act of 1969 as amended (42 U.S.C. §§4321 to 4370b)

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Nuclear Waste Policy Act of 1984 (42 U.S.C. §§10101 et seq.)

Occupational Safety and Health Act of 1970

Resource Conservation and Recovery Act of 1976 as amended by the Hazardous and Solid Waste Amendments of 1984 (42 U.S.C. §6901 et seq.)

Safe Drinking Water Act as amended (42 U.S.C. §§300f to 300j-26)

Stevenson-Wydler Technology Innovation Act of 1980 (15 U.S.C. §§3701 et seq.)

Toxic Substances Control Act of 1976 as amended (15 U.S.C. §§2601 to 2671)

Wild and Scenic Rivers Act (16 U.S.C. §§1271 et seq.) Oil Pollution Act of 1990 (33 U.S.C. §§2701 to 2761)

Atomic Energy Act of 1954 as amended by Low-Level Radioactive Waste Policy Act (42 U.S.C. §§2014, 2021 to 2021d, 2022, 2111, 2113, 2114)

Pollution Prevention Act of 1990 (42 U.S.C. §§13101 to 13109)

Asbestos Hazard Emergency Response Act (15 U.S.C. §§2641 to 2654)

Emergency Planning and Community Right-To-Know Act (42 U.S.C. §§11001 to 11050)

Federal Insecticide, Fungicide, and Rodenticide Act (7 U.S.C. §§136 to 136y)

Coastal Zone Management Act (16 U.S.C. §§1451 to 1464)

National Historic Preservation Act (16 U.S.C. §§470-470w-6)

Noise Control Act (42 U.S.C. §§4901 et seq.)

Fish and Wildlife Coordination Act (16 U.S.C. §§661-666c)

Refuse Act (§407, Rivers and Harbors Act of 1899, 33  
U.S.C. §407)

## *1.2 Presidential Orders*

Executive Order 12088 Federal Compliance with Pollution  
Control Standards October 13, 1978

Executive Order 12196, Occupational Safety and Health  
Programs for Federal Employees, February 27, 1980

Executive Order 12580 Superfund Implementation 23 January  
1987

## *1.3. Code of Federal Regulation (CFR) References*

29 CFR 1910 Occupational Safety and Health Standards

29 CFR 1910.120 Hazardous Waste Operations and Emergency  
Response.

29 CFR 1926 Safety and Health Regulations for Construction

40 CFR 250 through 270 EPA Regulations Implementing RCRA

40 CFR 261.4 (e) and (f) RCRA Treatability Exclusions

40 CFR 261 Identification and Listing of Hazardous Waste

40 CFR 268 Land Disposal Restrictions (LDR)

40 CFR 280 through 281 EPA Regulations for Underground  
Storage Tanks

40 CFR 300 through 311 EPA Regulations Implementing CERCLA

40 CFR 761 EPA PCB Regulations

40 CFR 1500 through 1508 CEQ Regulations Implementing NEPA

49 CFR 170 through 179 DOT Hazardous Materials  
Transportation Regulation

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#### *1.4 Federal Registers (FR)*

FR 11796-11877, March 29, 1990, Hazardous Waste Management System Identification and Listing of Hazardous Waste; Toxicity Characteristics Revisions

55 FR 30798 - 30884, July 27, 1990, Corrective Action for Solid Waste Management Units (SWMUs) at Hazardous Waste Management Facilities; Proposed Rule

57 FR 958-1042, January 9, 1992, Land Disposal Restrictions for Newly Listed Wastes and Contaminated Debris; Proposed Rule

#### *1.5 State and Local Laws/Ordinances*

State Standard Preliminary Assessment and Site Inspection Forms

### 2. Military Regulations and Publications

#### *2.1 Air Force Guidance*

Air Force Installation Restoration Program Management Guidance, 1989, Available from NTIS, 5285 Port Royal Road, Springfield VA. 22161

#### *2.2 Army Regulations*

AR 200-1 Environmental Protection and Enhancement

AR 200-2 Environmental Effects of Army Actions

DA PAM 40-578 Health Risk Assessment Guidance for the Installation Restoration Program and Formerly Used Defense Sites

#### *2.3 Corps of Engineers Publications*

##### *2.3.1 Engineer Regulations*

ER 5-7-1(FR) Project Management

ER 385-1-92 Safety and Occupational Health Document  
Requirements for Hazardous, Toxic, and Radioactive Waste (HTRW)  
Activities

ER 1110-1-263 Chemical Data Quality Management for Hazardous  
Waste Remedial Activities

### *2.3.2 Engineer Manuals*

EM 385-1-1 Safety and Health Requirements Manual

EM 1110-2-505 Guidelines for Preliminary Selection of  
Remedial Actions for Hazardous and Toxic Waste Sites

EM 1110-2-1415 Hydrologic Frequency Analysis

### *2.3.3 Other USACE Publications*

Accuracy of Computed Water Surface Profiles, USACE  
Hydrologic Engineering Center Publication, HEC RD-26, December,  
1986.

Corps of Engineers Wetlands Delineation Manual, Waterways  
Experiment Station Technical Report Y-87-1, January, 1987.

Current HTW Management Plan

## 3. EPA Publications

EPA CERCLA Compliance with Other Laws Manual, Interim Final,  
EPA 540 G-89/006, August 1989, and Part II Clean Air Act and  
Other Environmental Statutes and State Requirements, EPA 540 G-  
89/009, August, 1989

EPA Characterization of Hazardous Waste Sites, A Methods  
Manual, 2 Vol. EPA/600/4-84/075, April, 1985

EPA Community Relations in Superfund, Office of Solid Waste  
and Emergency Response (OSWER) Directive 9230.0-3B, June, 1988.

EPA Contract Laboratory Program Statement of Work for  
Inorganics Analysis (SOW 788 including Rev. 2/89, 6/89, and 3-  
90) and for Organic Analysis (SOW 2/88 including Rev. 9/88, 4/89,  
and 4/91).

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EPA Corrective Measures for Releases to Soil from Solid Waste Management Units, EPA/530/SW-88/022, August, 1985

EPA Data Quality Objectives for Remedial Response Activities, EPA/9335.0-7B, March, 1987

EPA Data Quality Objectives for Remedial Response Activities, Example Scenario: RI/FS Activities at a Site with Contaminated Soils and Ground Water, EPA/540/G-87/004, March, 1987

EPA Definition of Solid Waste Management Units for the Purpose of Corrective Action Under Section 3004(u), OSWER Directive 9502.00-6, July, 1987

EPA Drum Handling Practices at Hazardous Waste Sites, EPA/600/2-86/013, January, 1986

EPA Ecological Assessment of Hazardous Waste Sites: A Field and Laboratory Reference, EPA/600/3-89/013, March, 1989

EPA Expanded Site Inspection Guidance, EPA/9345.1, October, 1987

EPA Exposure Factors Handbook, EPA/600/8-89/043, July, 1990

EPA Furthering the Use of Innovative Technology in OSWER Programs, OSWER Directive 9380.0-17, July, 1991

EPA Field Manual for Grid Sampling of PCB Spill Sites to Verify Cleanup, EPA-560/5-86-017, May, 1986

EPA Geophysical Techniques for Sensing Buried Wastes and Waste Migration, EPA-600/7-84-064, June, 1984

EPA Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA. EPA/540/SW-89/031, OSWER Directive 9355.3-01, May, 1989

EPA Guide for Conducting Treatability Studies Under CERCLA, EPA/540/R-92/071a, October, 1992.

EPA Guide for Conducting Treatability Studies under CERCLA: Aerobic Biodegradation Remedy Screening EPA/540/2-91/013A, July, 1991.

EPA Guide for Conducting Treatability Studies under  
CERCLA: Chemical Dehalogenation EPA/540/R-92/013a, May, 1992.

EPA Guide for Conducting Treatability Studies under  
CERCLA: Soil Vapor Extraction (Interim Guidance) EPA/540/2-  
91/019A, September 1991.

EPA Guide for Conducting Treatability Studies under  
CERCLA: Soil Washing (Interim Guidance) EPA/540/2-91/020A,  
September 1991.

EPA Guide for Conducting Treatability Studies under  
CERCLA: Solvent Extraction (Interim Guidance) EPA/540/R-92/016a,  
August 1992.

EPA Guide for Conducting Treatability Studies under  
CERCLA: Thermal Desorption Remedy Selection (Interim Guidance)  
EPA/540/R-92/074A, September 1992.

EPA Guidance for Data Useability in Risk Assessment, Interim  
Final, EPA 540 G-90 008, October, 1990

EPA Guidance on Applying the Data Quality Objectives Process  
for Ambient Air Monitoring Around Superfund Sites (Stages I &  
II), EPA-450/4-89-015, August 1989

EPA Guidance on Applying the Data Quality Objectives Process  
for Ambient Air Monitoring Around Superfund Sites (Stage III),  
EPA-450/4-90-005, March 1990

EPA Guidance on Implementation of the "Consistency"  
Exemption to the Statutory Limits on Removal Actions,  
EPA/9360.0-12A, June, 1989

EPA Guidance on Remedial Actions for Contaminated Ground  
Water at Superfund Sites, EPA 540/G-88/003, December, 1988

EPA Guide for Decontaminating Buildings, Structures, and  
Equipment at Superfund Sites, EPA/600/2-85/028, March, 1985

EPA Guide to Selecting Superfund Remedial Actions,  
EPA/9355.0-27FS, 1990

EPA Integrated Risk Information System (IRIS)

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EPA Management of Investigation-Derived Wastes During Site Inspections, EPA/540/G-91/009, May, 1991

EPA, Methods For Chemical Analysis of Water and Wastes, EPA-600/4-79-020, March, 1983.

EPA, Methods for the Determination of Organic Compounds in Drinking Water, EPA/600/4-88/039, December 1988.

EPA Outline of EE/CA Guidance, EPA Memorandum, March 30 1988

EPA Preliminary Assessment Petition, EPA/9200.5-301, November, 1988

EPA Risk Assessment Guidance for Superfund Volume I - Human Health Evaluation Manual (Part A), EPA/540/1-89/002, December 1989

EPA Risk Assessment Guidance for Superfund Volume I - Human Health Evaluation Manual (Part B, Development of Risk-based Preliminary Remediation Goals), OSWER Directive 9285.7-01B, December 1991

EPA Risk Assessment Guidance for Superfund Volume I - Human Health Evaluation Manual (Part C, Risk Evaluation of Remedial Alternatives) EPA Guide for Conducting Treatability Studies under CERCLA: Solvent Extraction Remedy Selection (Under Development).

EPA Guide for Conducting Treatability Studies under CERCLA: Thermal Desorption Remedy Selection (Under Development).

EPA Guidance for Data Useability in Risk Assessment, Interim Final, EPA 540 G-90 008, October, 1990

EPA Guidance on Applying the Data Quality Objectives Process for Ambient Air Monitoring Around Superfund Sites (Stages I & II), EPA-450/4-89-015, August 1989

EPA Guidance on Applying the Data Quality Objectives Process for Ambient Air Monitoring Around Superfund Sites (Stage III), EPA-450/4-90-005, March 1990

EPA Guidance on Implementation of the "Consistency" Exemption to the Statutory Limits on Removal Actions, EPA/9360.0-12A, June, 1989



EPA Guidance on Remedial Actions for Contaminated Ground Water at Superfund Sites, EPA 540/G-88/003, December, 1988

EPA Guide for Decontaminating Buildings, Structures, and Equipment at Superfund Sites, EPA/600/2-85/028, March, 1985

EPA Guide to Selecting Superfund Remedial Actions, EPA/9355.0-27F5, 1990

EPA Integrated Risk Information System (IRIS)

EPA Management of Investigation-Derived Wastes During Site Inspections, EPA/540/G-91/009, May, 1991

EPA, Methods For Chemical Analysis of Water and Wastes, EPA-600/4-79-020, March, 1983.

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EPA Risk Assessment Guidance for Superfund Volume I - Human Health Evaluation Manual (Part B, Development of Risk-based Preliminary Remediation Goals), OSWER Directive 9285.7-01B, December 1991

EPA Risk Assessment Guidance for Superfund Volume I - Human Health Evaluation Manual (Part C, Risk Evaluation of Remedial Alternatives), OSWER Directive 9285.7-01C, December 1991

EPA Risk Assessment Guidance for Superfund Volume II - Environmental Evaluation Manual, EPA/540/1-89/001, March 1989

EPA Risk Assessment, Management and Communication of Drinking Water Contamination, EPA 625/4-89/024, April, 1989

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EPA RCRA Corrective Action Decisions Documents: Statement of Basis and Response to Comments, OSWER Directive No. 9902.6, 1991

EPA RCRA Corrective Action Plan EPA/530/SW-88/028, June, 1988

EPA RCRA Facility Assessment Guidance, EPA/530/SW-86/053., October, 1986

EPA RCRA Facility Investigation (RFI) Guidance, 4 Vol., EPA/530/SW-89/031, May, 1989

EPA RCRA Ground Water Monitoring Technical Enforcement Guidance Document, OSWER Directive 9950.1, 1986

EPA Soil Sampling Quality Assurance User's Guide, EPA 600/8-89/046, March, 1989

EPA Standard PA and SI Forms

EPA Superfund Community Relations Program: A Handbook, EPA/540/G-88/002, 1988.

EPA Superfund Exposure Assessment Manual, EPA/540/1-88/001, April, 1988

EPA Superfund Removal Procedures: Action Memorandum Guidance, OSWER 9360.3-01, September, 1990

EPA Superfund Removal Procedures, EPA/9360. 0-03B, February, 1988

EPA SW-846, Test Methods for Evaluating Solid Waste Physical I Chemical Methods, 3rd Edition, [1st update: January, 1990, 2nd update: June 1990)

EPA Use of Removal Approaches to Speed Up Remedial Action Projects, EPA 9335.0-25A, July, 1989

EPA Verification of PCB Spill Cleanup by Sampling and Analysis, EPA-560/5-85-026, August, 1985

4. National Institute of Occupational Safety and Health (NIOSH)  
Publications

NIOSH/OSHA/USCG/EPA Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities, October, 1985, DHHS (NIOSH) Publication No. 85-115

NIOSH Registry of Toxic Effects of Chemical Substances  
[updated frequently]

Manual of Analytical Methods, 3rd Edition, National Institute of Occupational Safety and Health, 1984 and all supplements.

5. Other

Standard Methods for the Examination of Water and Wastewater, American Public Health Association - American Water Works Association - Water Pollution Control Federation, 17th Edition, 1989.

Annual Book of ASTM Standards, American Society for Testing and Materials